

# **ABSTRACT**

The present invention comprises antenna 21 to which at least FM broadcast wave is inputted, matching circuit 23 to which the signal input to the antenna 21 is supplied via minute resistance component, 5 FM receiver unit 24 with the output of the matching circuit 23 connected thereto, and earphone 25 connected to the output of the FM receiver unit 24, wherein the antenna 21 is formed from rigid metal, and its length is shorter than the quarter wavelength of the FM broadcast wave, and the matching circuit 23 is formed by reactance 10 element having fine DC resistance, and the impedance value of the resistance component as viewed via the resistance component from the matching circuit 23 is nearly equal to the impedance of the matching circuit 23.